Title (en)
STORAGE MEDIUM TYPE IDENTIFYING METHOD

Title (de)
VERFAHREN ZUM IDENTIFIZIEREN DES SPEICHERMEDIUMTYPS

Title (fr)
PROCEDE D'IDENTIFICATION DE TYPE DE SUPPORT DE STOCKAGE

Publication
EP 1437716 B1 20100714 (EN)

Application
EP 02802016 A 20021016

Priority
• JP 0210736 W 20021016
• JP 2001322907 A 20011019

Abstract (en)
[origin: US2003086347A1] An objective lens of an optical pick-up is ascended from the disc Far position towards the disc Near position at a constant velocity, and a peak bottom detector detects levels between the peak to the bottom (peak-to-bottom levels) of focus error signals obtained during the focus movement. A servo processing microcomputer counts the number of focus error signals having a peak-to-bottom level not smaller than the predetermined minimum level, out of all peak-to-bottom levels obtained during the focus movement across the recording layer of a disc, and defines the count value as the number of the recording layers of the disc. This allows correct determination of the number of recording layers of recording medium while not being affected by variation in property of the instruments, variation in reflectivity of recording medium, variation in the ambient temperature and fake pulse corresponded to waviness in focus error signal.

IPC 8 full level
G11B 19/12 (2006.01); **G11B 7/085** (2006.01); G11B 7/00 (2006.01)

CPC (source: EP US)
G11B 7/08511 (2013.01 - EP US); **G11B 19/12** (2013.01 - EP US); **G11B 19/127** (2013.01 - EP US); G11B 7/00 (2013.01 - EP US); G11B 2007/0013 (2013.01 - EP US)

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
US 2003086347 A1 20030508; **US 7193945 B2 20070320**; DE 60237024 D1 20100826; EP 1437716 A1 20040714; EP 1437716 A4 20061220; EP 1437716 B1 20100714; WO 03036628 A1 20030501

DOCDB simple family (application)
US 27338302 A 20021017; DE 60237024 T 20021016; EP 02802016 A 20021016; JP 0210736 W 20021016